

Bone Morphogenetic Protein 2 (BMP2) Recombinant Protein | BMP2 recombinant protein

Recombinant Bone Morphogenetic Protein 2 (BMP2)

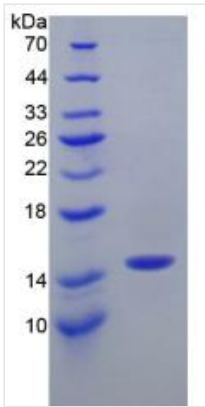
CATALOG # AAA134698	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Bone Morphogenetic Protein 2 (BMP2); Recombinant Bone Morphogenetic Protein 2 (BMP2); BMP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with an N-terminal His-tag, its sequence is listed below. MGHHH HHHSGS-QAK HKQRKRLKSS CKRHPLYVDF SDVGWNDWIV APPGYHAFYC HGECPFPLAD HLNSTNHAIV QTLVNSVNSK IPKACCVPTL LSAISMLYLD ENKVVLKKNY QDMVVEGCGC R
Sequence Length	394
Applicable Applications for BMP2 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Gln281~Arg394 (Accession # P21274) with a N-terminal His-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

QAKHKQRKRL KSSCKRHPLY
VDFSDVGWND WIVAPPGVHA FYCHGECFPF LADHLNSTNH AIVQTLVNSV
NSKIPKACCV PTELSAISML YLDENEKVVL KNYQDMVVEG CGCR

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	71896669
NCBI GeneID	12156
NCBI Accession #	NP_031579.2
NCBI GenBank Nucleotide #	NM_007553.3
UniProt Accession #	P21274; Q497W8
Molecular Weight	14.1kDa
NCBI Official Full Name	bone morphogenetic protein 2 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 2
NCBI Official Symbol	Bmp2
NCBI Official Synonym Symbols	Bmp2a; AI467020
NCBI Protein Information	bone morphogenetic protein 2; bone morphogenetic protein 2A
UniProt Protein Name	Bone morphogenetic protein 2
UniProt Gene Name	Bmp2
UniProt Synonym Gene Names	Bmp-2; BMP-2; BMP-2A
UniProt Entry Name	BMP2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.